Ontario

Ministry of Natural Resources

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

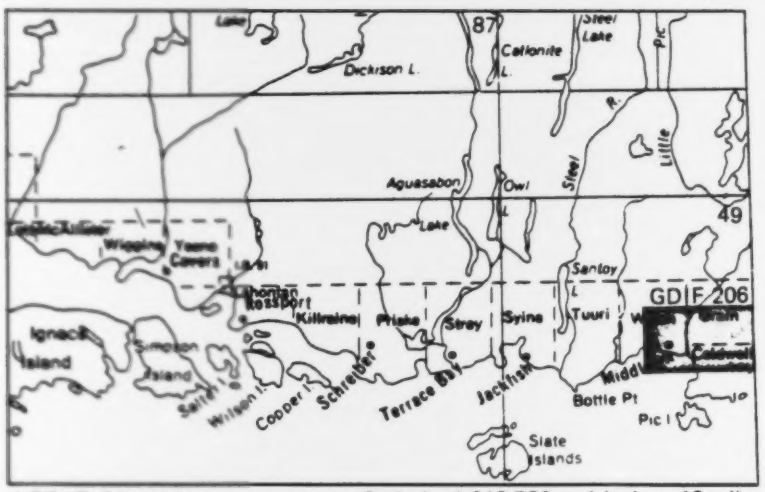
**GEOLOGICAL DATA INVENTORY FOLIO**

**GDIF 206**

# DEADHORSE CREEK AREA

DISTRICT OF THUNDER BAY

Compiled by the Staff of
the Resident Geologist's Office
Thunder Bay




LOCATION MAP

Scale 1 : 1,013 760 or 1 inch to 16 miles

85-64007

NTS Number 42 D 15/SE

Mining Claim Map Number Coldwell Township (G-781)(M-1921), Grain Township (G-628) (M-1923), Walsh Township (G-636)(M-1928)

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**STATEMENT:** This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1985: Deadhorse Creek Area, District of Thunder Bay; Ontario Geological Survey, Geological Data Inventory Folio 206, compiled by the staff of the Resident Geologist's Office, Thunder Bay, 30p. and 3 maps.

**Original Compilation by:** P. Perry

| Date | Page Revised | Revised by |
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DEADHORSE CREEK AREA

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## ACCOMPANYING MAPS

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Map Scale 1: 31 680 or 1 inch to ½ mile

# CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

**If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:**

| CONVERSION FROM SI TO IMPERIAL | | | CONVERSION FROM IMPERIAL TO SI | | |
|---|---|---|---|---|---|
| *SI Unit* | *Multiplied by* | *Gives* | *Imperial Unit* | *Multiplied by* | *Gives* |
| | | **LENGTH** | | | |
| 1 mm | 0.039 37 | inches | 1 inch | **25.4** | mm |
| 1 cm | 0.393 70 | inches | 1 inch | **2.54** | cm |
| 1 m | 3.280 84 | feet | 1 foot | **0.304 8** | m |
| 1 m | 0.049 709 7 | chains | 1 chain | **20.116 8** | m |
| 1 km | 0.621 371 | miles (statute) | 1 mile (statute) | **1.609 344** | km |
| | | **AREA** | | | |
| 1 $cm^2$ | 0.155 0 | square inches | 1 square inch | **6.451 6** | $cm^2$ |
| 1 $m^2$ | 10.763 9 | square feet | 1 square foot | **0.092 903 04** | $m^2$ |
| 1 $km^2$ | 0.386 10 | square miles | 1 square mile | **2.589 988** | $km^2$ |
| 1 ha | 2.471 054 | acres | 1 acre | **0.404 685 6** | ha |
| | | **VOLUME** | | | |
| 1 $cm^3$ | 0.061 02 | cubic inches | 1 cubic inch | **16.387 064** | $cm^3$ |
| 1 $m^3$ | 35.314 7 | cubic feet | 1 cubic foot | **0.028 316 85** | $m^3$ |
| 1 $m^3$ | 1.308 0 | cubic yards | 1 cubic yard | **0.764 555** | $m^3$ |
| | | **CAPACITY** | | | |
| 1 L | 1.759 755 | pints | 1 pint | **0.568 261** | L |
| 1 L | 0.879 877 | quarts | 1 quart | **1.136 522** | L |
| 1 L | 0.219 969 | gallons | 1 gallon | **4.546 090** | L |
| | | **MASS** | | | |
| 1 g | 0.035 273 96 | ounces (avdp) | 1 ounce (avdp) | **28.349 523** | g |
| 1 g | 0.032 150 75 | ounces (troy) | 1 ounce (troy) | **31.103 476 8** | g |
| 1 kg | 2.204 62 | pounds (avdp) | 1 pound (avdp) | **0.453 592 37** | kg |
| 1 kg | 0.001 102 3 | tons (short) | 1 ton (short) | **907.184 74** | kg |
| 1 t | 1.102 311 | tons (short) | 1 ton (short) | **0.907 184 74** | t |
| 1 kg | 0.000 984 21 | tons (long) | 1 ton (long) | **1016.046 908 8** | kg |
| 1 t | 0.984 206 5 | tons (long) | 1 ton (long) | **1.016 046 908 8** | t |
| | | **CONCENTRATION** | | | |
| 1 g/t | 0.029 166 6 | ounce (troy)/ ton (short) | 1 ounce (troy)/ ton (short) | **34.285 714 2** | g/t |
| 1 g/t | 0.583 333 33 | pennyweights/ ton (short) | 1 pennyweight/ ton (short) | **1.714 285 7** | g/t |

**OTHER USEFUL CONVERSION FACTORS**

| | | |
|---|---|---|
| 1 ounce (troy)/ton (short) | 20.0 | pennyweights/ton (short) |
| 1 pennyweight/ton (short) | 0.05 | ounce (troy)/ton (short) |

**One gram(g) per tonne is equivalent to one part per million (1 ppm).**

**NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.**

# DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

| | SOURCES OF DATA | Data | Initial |
|---|---|---|---|
| 1 | Resident Geologist's Office Files | YES | P. SEPT./84 |
| 2 | Assessment Files Research Office, Toronto | YES | P. SEPT./84 |
| 3 | ODM General Index; 7 volumes | YES | P. SEPT./84 |
| 4 | Catalogue of Airborne Geophysical Surveys (ODM) | YES | P. SEPT./84 |
| 5 | ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars | YES | P. SEPT./84 |
| 6 | ODM Industrial Mineral Reports | N.A. | P. SEPT./84 |
| 7 | Bibliography of Post Precambrian Theses - Karrow (ODM MP 1) | NO | P. SEPT./84 |
| 8 | Bibliography of Precambrian Theses - Ginn (ODM MP 2) | YES | P. SEPT./84 |
| 9 | Newspaper Clippings File | YES | P. SEPT./84 |
| 10 | GSC Index to Publications | YES | P. SEPT./84 |
| 11 | OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77 | YES | P. SEPT./84 |
| 12 | OGS Index Maps | YES | P. SEPT./84 |
| 13 | Source Mineral Deposit Records (O.G.S.) | | |
| 14 | Author - Subject Articles File | YES | P. SEPT./84 |
| 15 | Miscellaneous Papers: ODM & OGS | YES | P. SEPT./84 |
| 16 | ODM Geological Circulars: OGS Study Series | YES | P. SEPT./84 |
| 17 | ODM Preliminary Reports: ODM Bulletins | YES | P. SEPT./84 |
| 18 | ODM – OGS Open File Reports | YES | P. SEPT./84 |
| 19 | OGS Northern Ontario Engineering Geology Terrain Studies | YES | P. SEPT./84 |
| 20 | OGS Aggregate Resources Inventory Papers | NO | P. SEPT./84 |
| 21 | OGS Mineral Potential Maps | YES | P. SEPT./84 |

# METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
△ arg . . . . . Argentite
△ As . . . . . .Arsenic
△ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . Beryl
△ Bi. . . . . Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
△ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
△ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
▲ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
△ ery . . . . . Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (flurospar)
△ fu. . . . . .Fuchsite
△ gn. . . . . Galena
△ gt. . . . . Garnet
△ goe . . . . . .Goethite
▲ Au . . . . . Gold
△ gf. . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . Gypsum
△ hem . . . . . Hematite
△ il . . . . . Ilmenite
△ Fe . . . . . .Iron
▲ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
▲ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . Magnesite
△ mag . . . . . Magnetite
△ mc . . . . . Malachite
△ Mn . . . . . Manganese
△ mb . . . . . Marble
△ mar. . . . . Marcasite
△ ma . . . . . .Marl
△ mi . . . . . Mica
△ ml . . . . . Millerite
△ mo . . . . . Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite
△ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . Palladium
△ peat . . . . . .Peat
△ pent . . . . . Pentlandite
△ Pt. . . . . .Platinum
△ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
△ po . . . . . .Pyrrhotite
△ q . . . . . Quartz
△ qcv . . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
△ serp . . . . . Serpentine
△ sh. . . . . .Shale
△ sid . . . . . Siderite
△ si . . . . . .Silica
▲ Ag . . . . . .Silver
△ sl . . . . . Slate
△ sm . . . . . .Smaltite
△ sod . . . . . Sodalite
△ spec . . . . . Specularite
△ sp. . . . . .Sphalerite
△ spd . . . . . .Spodumene
△ staur . . . . . .Staurolite
△ stib. . . . . Stibnite
△ st . . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
▲ Ti. . . . . Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
▲ Zn . . . . . .Zinc
△ zr . . . . . Zircon

**Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.**

## MINERAL OCCURRENCES

| Map Ref. Letter | Name(s) | Mineralization | Source Mineral Deposit Record | References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports | Additional References and/or Remarks |
|---|---|---|---|---|---|
| A | Deadhorse Creek North (Ollman, American Yellowknife) | Pb, Zn, Ag | | MRC 2, p. 43<br>MRC 10, p. 81<br>MRC 12, p. 305 | |
| B | Deadhorse Creek South (Hannam, Saratoga, Leslie) | Pb, Zn, Ag | | MRC 1, p. 32, 61<br>MRC 10, p. 81, 82<br>MRC 12, p. 303 | Adit 250 feet, shaft 15 feet, drift 50 feet |
| C | Moneta Porcupine (D. E. Smith) | Cu | | MRC 2, p. 59, 62<br>MRC 12, p. 306 | |
| D | Tomcarr Mines (Little Pic Cu Mine) | Cu, Au | | MRC 1, p. 33<br>MRC 2, p. 63<br>MRC 12, p. 306 | |
| E | MacKellar Bay Mines | Pb, Zn, Ag | | MRC 2, p. 57 | |
| F | Renshaw - Tripp | I.F., Ti | | MRC 11, p. 412 | |
| G | Wincore (Alvay) | Zn, Ag | | MRC 12, p. 346 | |

GDIF FORM NO. 1

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY<br>COMPANY/AUTHOR (file number) | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | BENEFICIATION STUDY | | |
| 1 | American Yellowknife Gold Mines Ltd. (Ollman Group) | 48<br>49 | | 44<br>47<br>48 | 48 | 44<br>47<br>48 | | | | | | | | | | | | | | |
| 2 | Canadian Nickel Co. Ltd., Hibberts, Nick, Baarts, Larry, Skalesky, Paul<br>F.N.: 2.5099, 2.4356 | 81 | | | | 81 | | | | | | 81 | 81 | | | | | | | |
| 3 | Chavin of Canada Ltd.<br>F.N.: 2.5855 | | | | | | | | 83 | 83 | | | | | | | | | | |
| 4 | Commercial Management Service | | | | 56 | | | | | | | | | | | | | | | |
| 5 | Chevron Standard Ltd.<br>F.N.: 2.1470, 2.1878 | | | | | | | | | | | | | | | | | 74 | | |
| 6 | Cumberland Resources Ltd.<br>F.N.: 2.5845 | | | | | | | | 83 | 83 | | | | | | | | | | |
| 7 | Cumberland Resources Ltd.<br>F.N.: 2.5846 | | | | | | | | 83 | 83 | | | | | | | | | | |
| 8 | Denison Mines Ltd.<br>F.N.: 63A.407 | 62 | | | 62 | | | | | | | | | | | | | | | |

GDIF FORM NO. 2

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY | COMPANY/AUTHOR (file number) | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| 9 | Denison Mines Ltd.<br>F.N.: 63.1220 | | | | | | | | | | | | 61 | | | | | | | |
| 10 | Fairbairn, D. W. L.<br>F.N.: 2.2282 | | | | | | | | | 76 | 76 | | | | | | | | | |
| 11 | Gulf Minerals Canada Ltd.<br>F.N.: 2.2844 | 78 | | | 78 | | | | | | | | | | | | | | | |
| 12 | Gulf Minerals Canada Ltd. | | | | 81 | | | | | | | | | | | | | | | |
| 13 | Halonen, John | | | 74 | | | | | | | | | | | | | | | | |
| 14 | Halonen, Violet | | | 82<br>83 | | | | | | | | | | | | | | | | |
| 15 | Halren Mines Limited<br>F.N.: 63.2416 | | 68 | | 69 | | | | | | | | 69 | | | | | | | |
| 16 | Hannam, Lenore G.<br>(Robinson, Larry)<br>F.N.: 63.2389 | | | 70 | 68<br>70 | | | | | | | | 68 | | | | | | | |
| 17 | Head of Lakes Iron Limited | | | | | | | | 54[1] | | 54[1] | | | | | | | | | |
| 18 | Keevil Mining Company<br>F.N.: 63.1816 | | | | | | | | 65 | 65[2] | | | | | | | | | | |

GDIF FORM NO. 2

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY | COMPANY/AUTHOR (file number) | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| 19 | Kinasco Exploration & Mining Ltd. | | | | 56 | | | | | | | | | | | | | | | |
| 20 | Lakehead Mines Ltd. F.N.: 63A.542 | 68 | | | | | | | | | | | | | | | | | | |
| 21 | MacKellar Bay Mines | | | | 54 | | | | | | | | | | | | | | | |
| 22 | Marlhill Mines Ltd. F.N.: 63A.260 | 55 | | | | | | | | | | | | | | | | | | |
| 23 | Marlhill Mines Ltd. F.N.: 63.594, 63A.277 | 55 | | | | | | | | | | | 54 | | | | | | | |
| 24 | McCabe, Roland | | | 75 | 74<br>82 | | | | | | | | | | | | | | | |
| 25 | Moneta Porcupine Mines Ltd., D. E. Smith | 54 | | | 54 | 54 | | | | | | | | | | | | | | |
| 26 | North Rankin Nickel Mines F.N.: 63.2586 | | | | | | | | | | | 69[1] | | | | | | | | |
| 27 | Obaska Lake Mines Ltd. F.N.: 63.2187 | | | | | | | | | | | 67 | | | | 67 | | | | |
| 28 | Pitkanen Option | | | 68 | 68 | | | | | | | | | | | | | | | |

GDIF FORM NO. 2

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| COMPANY/AUTHOR (file number) | | | | | | | | | | | | | | | | | | | | |
| 29 | Placer Development Ltd.<br>F.N.: 2.3224 | 79 | 79 | | | | | | | | | 79 | | | | | | | | |
| 30 | Renshaw - Tripp | 51[3] | | | | 50 | | | | | | | | | | | | | | |
| 31 | Saratoga Explorations Co. Ltd. | 51[3] | | | 51 | | | 51<br>53 | | | | | | | | | | | | |
| 32 | Stenlund, Victor | | | | 83 | | | | | | | | | | | | | | | |
| 33 | Stralak Resources Inc. | | | | 83 | | | | | | | | | | | | | | | |
| 34 | Teck Exploration Ltd.<br>F.N.: 2.5665 | | | | | | | | | | | 83 | 83 | | | | | | | |
| 35 | Tomcarr Mining Company Ltd. | | | | | | | 52 | | | | | | | | | | | | |
| 36 | Tontine Mining Ltd.<br>(North Rankin Nickel Mines)<br>F.N.: 63A.567 | 70 | | | | | | | | | | | | | | | | | | |
| 37 | Whitegate Mining Co. Ltd. | | | | | | | 63 | | | | | | | | | | | | |
| 38 | Whitegate Mining Co. Ltd. | | | | | | | 63 | | | | | | | | | | | | |
| 39 | Wildrose Petroleum Ltd.<br>F.N.: 2.6104 | 83[4] | 83[4] | | | | | | | | | | | | | | | | | |

GDIF FORM NO. 2

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY<br>COMPANY/AUTHOR (file number) | | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| 40 | Wincore Exploration Ltd. | | | | 50 | | | 53 | | | | | | | | | | | | |
| 41 | Zenmac Metal Mines<br>F.N.: 63A.456 | 65 | | | | | | | | | | | | | | | | | | |
| | NOTES:<br>1. Filed under 42 D/16SW<br>2. No E.M. anomalies present<br>3. Report, no map<br>4. Filed under 42 D/15SW | | | | | | | | | | | | | | | | | | | |

GDIF FORM NO. 2

## DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 1 a | American Yellowknife Gold Mines Ltd.[1] | H - 1 | Oct./48 | 220° | -45° | 6.0 | 247.0 | ep, py, carb, gn, sp | |
| b | " " " | H - 2 | " | 215° | -45° | 13.0 | 260.0 | ep, carb, sp gn, py, sid, po | Ag, Pb, Zn, Au |
| c | " " " | H - 3 | " | 220° | -45° | 4.0 | 206.5 | py, carb, sp, gn | Au, Ag, Pb, Zn |
| d | " " " | H - 4 | " | 220° | -70° | 3.0 | 250.0 | py, ep, po, carb, sp, gn | Au, Ag, Pb, Zn |
| e | " " " | H - 5 | " | 220° | -50° | 4.0 | 213.0 | ep, carb, sp, gn, py | Au, Ag, Pb, Zn |
| f | " " " | H - 6 | " | 220° | -45° | 7.8 | 197.5 | ep, po, py, carb | Au, Ag, Pb, Zn |
| g | " " " | H - 7 | " | 225° | -45° | 6.6 | 223.6 | ep, py, sp, gn | |
| h | " " " | H - 8 | " | 220° | -45° | 39.0 | 275.0 | talc, py, carb | |
| i | " " " | H - 9 | " | 215° | -70° | 15.0 | 226.0 | ep, py, sp, gn, carb | |
| j | " " " | H - 10 | " | 220° | -70° | 13.9 | 234.4 | py, ep, carb, sp, gn | |
| k | " " " | H - 11 | " | 235° | -70° | 5.0 | 271.5 | ep, po, py, carb | |
| l | " " " | H - 12 | " | - | -50° | 25.0 | 191.2 | py, carb, sp, gn | |

GDIF FORM NO. 3

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 2 a | American Yellowknife Gold Mines Ltd.[1] | H - 13 | Oct./48 | 215° | -50° | 21.0 | 279.0 | py, carb, sp, gn | |
| b | " " " | H - 14 | " | 220° | -60° | 8.0 | 313.0 | py, po, carb, sp, gn | |
| c | " " " | H - 15 | " | 035° | -35° | 11.0 | 144.0 | py, gn | |
| d | " " " | H - 16 | Nov./48 | 035° | -50° | 12.9 | 189.0 | carb, gn, cp, py, sp | |
| e | " " " | H - 17 | " | 035° | -50° | 6.7 | 333.0 | carb, sp, gn, py | |
| f | " " " | H - 18 | " | 035° | -50° | 10.0 | 313.5 | py, cp, gn, sp, carb | |
| g | " " " | H - 19 | " | 045° | -50° | 31.0 | 370.0 | py, carb, po, ep | |
| h | " " " | H - 20 | " | 215° | -70° | 15.0 | 289.5 | py, carb, sp | |
| 3 a | Commerical Management Services | Hole 1 | Aug./56 | - | -90° | - | 48.5 | ep | |
| b | " " " | Hole 2 | " | - | -90° | - | 49.0 | | |
| c | " " " | Hole 3 | " | - | -90° | - | 53.0 | ep, talc, lim | |
| d | " " " | Hole 4 | " | - | -90° | - | 51.0 | | |
| e | " " " | Hole 5 | " | - | -90° | - | 54.5 | | |

GDIF FORM NO. 3

## DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 3 f | Commercial Management Services | Hole 6 | Aug./56 | - | -90° | - | 52.0 | ep, talc | |
| g | " " " | Hole 7 | " | - | -90° | - | 52.0 | | |
| 4 a | Denison Mines Ltd. | 12 | May/62 | 325° | -60° | - | 102.0 | ne | |
| b | " " " | 13 | " | 145° | -60° | - | 102.0 | ne | |
| 5 | " " " | 14 | Oct./62 | - | -90° | - | 106.9 | ne | |
| 6 | " " " | 15 | " | - | -90° | - | 104.0 | ne | |
| 7 | " " " | 16 | " | - | -90° | - | 102.0 | ne | |
| 8 a | Gulf Minerals Canada Ltd. | DH - 1 | Nov./78 | 035° | -53° | 1.0 | 297.0 | lim, py, cp, carb | |
| b | " " " " | DH - 2 | " | 035° | -60° | 2.0 | 395.0 | py, hem | |
| 9 | " " " " | DH - 3 | " | 090° | -50° | 6.0 | 436.0 | carb, hem, py | |
| 10 | " " " " | DH - 4 | " | 090° | -48° | 4.5 | 406.0 | carb, hem, py | |
| 11 | " " " " | DH - 5 | " | 090° | -48° | 8.0 | 406.0 | hem, carb | |
| 12 | " " " " | DH - 6 | " | 090° | -50° | 10.0 | 350.0 | hem, py, carb, ra | |
| 13 | " " " " | DH - 7 | " | 090° | -45° | 4.0 | 353.0 | py, carb, hem | |
| 14 | " " " " | DH - 8 | " | 090° | -45° | 4.0 | 454.0 | hem, carb, py | |

GDIF FORM NO. 3

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 15 | Gulf Minerals Canada Ltd. | 81-33-1-1 | May/81 | 360° | -45° | 9.8 | 426.8 | py, cp, hem, ep, po, gf, carb | Cu, Zn, Pb, Ag, Au |
| 16 a | Halren Mines Ltd. | 1 | March/69 | 050° | -45° | 15.0 | 275.0 | carb, py, sp, gn | Ag, Cu, Zn, Pb |
| b | " " " | 2 | " | 050° | -60° | - | 328.0 | py, sp, gn, po, cp, carb | Ag, Cu, Zn, Pb |
| c | " " " | 3 | " | 055° | -45° | 14.0 | 250.0 | sp, py, ep, po, carb | Ag, Cu, Zn, Pb |
| d | " " " | 4 | " | 055° | -60° | 10.0 | 312.0 | sp, py, carb | Ag, Cu, Zn, Pb |
| e | " " " | 5 | " | 030° | -45° | 8.0 | 254.0 | py, carb, po, sp, gn | Ag, Cu, Zn, Pb |
| f | " " " | 6 | " | 030° | -60° | 4.0 | 342.0 | py, sp, carb, po, gn | Ag, Cu, Zn, Pb |
| 17 | " " " | 7 | " | 030° | -45° | 22.0 | 405.0 | gn, py, carb | Ag, Cu, Zn, Pb |
| 18 a | " " " | 8 | " | 030° | -45° | 20.0 | 350.0 | py, gn, sp, carb | Ag, Cu, Zn, Pb |
| b | " " " | 9 | " | 030° | -45° | 12.0 | 302.0 | py, carb, gn, ep, cp | Ag, Cu, Zn, Pb |
| c | " " " | 10 | Apr./69 | 030° | -45° | 8.0 | 200.0 | sp, carb, py, gn | Ag, Cu, Zn, Pb |

GDIF FORM NO. 3

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden | Total Length of Hole | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 18 d | Halren Mines Ltd. | 11 | Apr./69 | 030° | -45° | 10.0 | 200.0 | py, cp, sp, gn, carb | Ag, Cu, Zn, Pb |
| 19 a | Hannam Lenore | A | Oct./68 | 355° | -45° | - | 280.0 | | |
| b | " " | 1 | May/70 | 320° | -30° | - | 102.0 | po, py, calc | |
| c | " " | 2 | " | 270° | -20° | - | 104.0 | py, calc | |
| 20 | Kinasco Explorations Mining Ltd. | 1 | Aug./56 | - | -90° | 18.0 | 675.0 | cp, po, mag | |
| 21 | " " " | 2 | Sept./56 | - | -90° | 7.0 | 350.0 | py, calc, mag | |
| 22 a | MacKellar Bay Mines | M - 1 | Sept./54 | 009° | -53° | 10.0 | 150.0 | gf, calc, gn, sp | |
| b | " " " | M - 2 | Oct./54 | 009° | -64° | 8.0 | 205.0 | sp, gn, carb | |
| 23 | " " " | M - 3 | " | 009° | -49° | 36.0 | 148.0 | py | |
| 24 | " " " | M - 4 | " | 009° | -45° | 7.0 | 250.0 | calc | |
| 25 | " " " | M - 5 | " | 009° | -45° | 6.0 | 206.5 | calc, sp | |
| 26 | " " " | M - 6 | " | 335° | -35° | 19.0 | 349.0 | py, po, cp, sp, gn | |
| 27 a | " " " | M - 7 | " | 009° | -43° | 10.0 | 255.0 | calc, sp, py | |
| b | " " " | M - 8 | " | 003° | -45° | 32.0 | 97.0 | carb | |
| c | " " " | M - 9 | " | 025° | -35° | 6.0 | 339.0 | py | |

GDIF FORM NO. 3

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden | Total Length of Hole | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 28 | McCabe, Roland | 1 | June/82 | 003° | -45° | - | 102.0 | | |
| 29 a | " " | B - 1 | Oct./74 | 360° | -65° | - | 220.0 | calc, py | |
| b | " " | B - 2 | " | 350° | -55° | - | 140.0 | | |
| 30 | Moneta Porcupine Ltd. | 1 | June/54 | 295° | -45° | 5.0 | 197.1 | cp, po, py | |
| 31 a | " " " | 1 A | Dec./54 | - | -90° | 2.0 | 82.0 | mag, po, cp, py | |
| b | " " " | 2 | June/54 | 025° | -45° | 5.0 | 204.1 | mag, cp, po, py | |
| 32 a | " " " | 2 A | Dec./54 | 290° | -45° | 2.0 | 78.0 | mag, cp, po, py | |
| b | " " " | 3 | June/54 | 265° | -45° | 3.2 | 393.0 | mag, cp, po, py | |
| 33 a | Pitkanen Option | P - 1 | Sept./68 | 355° | -42° | - | 149.0 | py, cp, sp, bn | |
| b | " " | P - 2 | " | 190° | -42° | - | 80.0 | py, po, cp, sp | |
| c | " " | P - 3 | " | 190° | -48° | - | 71.2 | cp, po, py | |
| d | " " | P - 4 | " | 190° | -45° | - | 70.7 | sp, po, py | |
| e | " " | P - 5 | " | 190° | -45° | - | 73.5 | py, cp, bn, sp | |
| 34 a | Saratoga Explorations Co. Ltd. | 2 | Feb./51 | 330° | -50° | 15.0 | 297.0 | | |

GDIF FORM NO. 3

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth | Initial Dip of Hole | Thickness of Overburden (feet) | Total Length of Hole (feet) | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 34 b | Saratoga Explorations Co. Ltd. | 3 | Feb./51 | 190° | -40° | 2.0 | 45.0 | | |
| c | " " " | 4 | " | 010° | -60° | 15.0 | 397.0 | | |
| d | " " " | 5 | " | 010° | -70° | 7.0 | 453.0 | | |
| e | " " " | 6 | " | 010° | -40° | 4.0 | 152.0 | | |
| 35 a | " " " | 1 | " | 010° | -45° | 10.0 | 220.0 | gn, py, carb | |
| b | " " " | 7 | " | 010° | -50° | 30.0 | 386.0 | | |
| c | " " " | 8 | " | 010° | -50° | 4.0 | 240.0 | | |
| d | " " " | 9 | " | 010° | -55° | 3.0 | 207.0 | | |
| e | " " " | 10 | " | 101° | -45° | 7.0 | 125.0 | | |
| 36 | Stenlund, Victor | 1 | Sept./83 | - | -90° | 30.0 | 106.0 | py | |
| 37 | Stralak Resources Inc. | 1 | " | 030° | -45° | 14.0 | 321.0 | gn, py, sp, carb | |
| 38 | " " " | 2 | " | 030° | -45° | 21.0 | 210.0 | calc, gn, sp | |
| 39 | Wincore Exploration Ltd. | 1 | Nov./50 | 360° | -45° | 1.0 | 96.0 | py | |
| 40 a | " " " | 2 | " | 180° | -45° | 1.0 | 116.0 | py | |
| b | " " " | 3 | " | 360° | -45° | 2.0 | 56.0 | py | |

NOTES:

1. All azimuths given are approximate

GDIF FORM NO. 3

# AIRBORNE GEOPHYSICAL SURVEY DATA

| No. | By / For | Type of Survey | Flight Altitude | Flight Line Direction | Flight Line Spacing |
|---|---|---|---|---|---|
| 3 | Aerodat Limited<br>Chavin of Canada Limited<br>F.N.: 2.5855 | Magnetic, Electromagnetic, VLF-E.M. | 60 metres | North/South | 660 feet |
| 6 | Aerodat Limited<br>Cumberland Resources Limited<br>F.N.: 2.5845 | Magnetic, Electromagnetic, VLF-E.M. | 60 metres | North/South | 100 metres |
| 7 | Aerodat Limited<br>Cumberland Resources Limited<br>F.N.: 2.5846 | Magnetic, Electromagnetic, VLF-E.M. | 60 metres | North/South | 100 metres |
| 10 | Scintrex Surveys Limited<br>Fairbairn, D. W. L.<br>F.N.: 2.2282 | Electromagnetic, Radiometric | 320 feet | East/West | 330 feet |
| 17 | Aeromagnetic Surveys Limited<br>Head of the Lakes Iron Ltd. | Magnetic, Radiometric | 500 feet | North/South | 1320 feet |
| 18 | Geophysical Engineering & Surveys Limited<br>Keevil Mining Group Limited | Magnetic, Electromagnetic | 150 feet | North/South | 660 feet |

GDIF FORM NO. 4

## GEOCHEMICAL SURVEY DATA

| Map Sample Site Reference Number | Type of Survey | Analysis For | By | Reference |
|---|---|---|---|---|
| 1 | Soil Geochemistry ("B" horizon) | Cu, Pb, Zn | Halren Mines Limited | Resident Geologist's Assessment Files, Thunder Bay |
| 2 | Soil Geochemistry ("B" horizon) | Cu, Ni, Mn | Placer Development Ltd. | Resident Geologist's Assessment Files, Thunder Bay |
| 3 | Soil Geochemistry ("B" horizon) | Au, Ag, As, Sb, Pb, Zn, Cu, Mo | Wildrose Petroleum Ltd. | Resident Geologist's Assessment Files, Thunder Bay |

GDIF FORM NO. 5

# MISCELLANEOUS DATA

## AGE DATING

| Site | Method | Material | Reference | Result |
|---|---|---|---|---|
| | | | | |

# NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Thunder Bay

Chavin of Canada Limited

Cumberland Resources Limited

Denison Mines Limited

Gulf Minerals Canada Limited

Halren Mines Limited

Lakehead Mines Limited

North Rankin Nickel Mines

Obaska Lake Mines Limited

Placer Development Limited

Saratoga Explorations Company Limited

Stendlund, Victor

Stralak Resources Incorporated

Teck Exploration Limited

Tontine Mining Limited

Whitegate Mining Company Limited

Zenmac Metal Mines

# ODM GENERAL INDEX SEARCH

**Words searched:** American Yellowknife Gold Mines Ltd., Asburton Bay, Coldwell Complex, Coldwell Township, Grain Township, Little Pic Copper Mines, Little Pic River, McKellar Bay Mines, McKellar Harbour, Middleton, Nepheline Syenites, Ollman Prospect, Port Coldwell, Syenite, Walsh Township, Wincore Exploration Ltd.

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 1 | Coldwell Peninsula, Lake Superior | | | |
| | Building stone | 19 | 1 | 231 |
| | Map, See map of North Shore of Lake Superior with Vol. 19 (1) | | | |
| | Little Pic River, Lake Superior | | | |
| | Bridge across, photo | 19 | 1 | 231 |
| | Copper | R.C. | | 63 |
| | Explored | 19 | 1 | 195 |
| | Iron Ore | R.C. | | 36 |
| | Exhibited | 2 | | 79 |
| | Magnetic | 2 | | 65 |
| | Rocks on or near | | | |
| | Animikie | 4 | | 238 |
| | Gneiss | 19 | 1 | 194 |
| | Granite | 19 | 1 | 198, 223 |
| | Picrite | 19 | 1 | 227 |
| | Syenite | 19 | 1 | 214, 217, 220 |
| | Silver | R.C. | | 202 |
| | Middleton, East of Jackfish, Lake Superior | | | |
| | Gold mining near (1898) | 7 | | 82 |
| | (1900) | 10 | | 87 |
| | Olivine | 19 | 1 | 218 |
| | Population | 19 | 1 | 197 |
| | Rocks at or near | | | |
| | Gabbro | 19 | 1 | 225, 227 |
| | Olivine | 19 | 1 | 218, 224 |
| | Keewatin | 22 | 1 | 231 |
| | Syenites | 19 | 1 | 195, 212 |
| | Augite | 19 | 1 | 214 |
| | Petrography | 19 | 1 | 218 |
| | Syenite | | | |
| | Lake Superior and North Shore | 6 | | 129 |
| | Jackfish Bay, petrography | 5 | | 103, 104 |
| | Port Coldwell | | | |
| | Paper by Coleman | 9 | | 208-213 |
| | Petrography | 7 | | 148 |

# ODM GENERAL INDEX SEARCH

**Words searched:**

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 1 | Syenite, nepheline (Eleolite) | | | |
| | Lake Superior | 9 | | 208-210 |
| | Coldwell pen. | 22 | 1 | 232 |
| | Photos | 22 | 1 | 228, 229 |
| | Report by Kerr | 19 | 1 | 194-232 |
| 2 | Little Pic River, Lake Superior | | | |
| | Magnetite, occurrence noted | I.O. | | 186 |
| | Port Coldwell, Lake Superior | | | |
| | Nephelite syenite | 33 | 6 | 38 |
| | Syenite | | | |
| | Schreiber-Duck Lake area: | | | |
| | Sketch map, Schreiber to Jackfish | 30 | 4 | 7 |
| | See also map 30 a with | 30 | 4 | |
| 3 | Middleton, Township 80, Thunder Bay District | | | |
| | Granite quarrying | 41 | 6 | 46, 47 |
| | Port Coldwell Batholith | | | |
| | Heron Bay area | 40 | 2 | 26 |
| 4 | American Yellowknife Gold Mines Ltd. | | | |
| | Incorporated | 55 | 1 | 46 |
| 5 | American Yellowknife Mines Ltd. | | | |
| | Name changed | 62 | 1 | 60 |
| | | 64 | 1 | 60 |
| | McKellar Bay Mines, Ltd. | | | |
| | Incorporated | 61 | 1 | 46 |
| | Wincore Explorations, Ltd. | | | |
| | Incorporated | 63 | 1 | 59 |
| 6 | MacKellar Bay Mining and Exploration Co. Ltd. | | | |
| | Change of name | 66 | 1 | 37 |
| | Port Coldwell Area, Thunder Bay District | | | |
| | Nepheline syenite | 69 | 8 | 14 |
| 7 | American Yellowknife Gold Mines Ltd. | | | |
| | Mining property, Township 80, report on (195) | MRC 2 | | 43 |

# ODM GENERAL INDEX SEARCH

**Words searched:**

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 7 | Jackfish-Middleton Area, Thunder Bay District | | | |
| | Preliminary report on geology | | | |
| | by J. W. R. Walker (1956) | GC 4 | | |
| | MacKellar Bay Mines, Ltd. | | | |
| | Mining property, Township 80 | | | |
| | Report on (1957) | MRC 2 | | 57 |
| 8 | Coldwell Syenite Complex | | | |
| | Marathon area, Thunder Bay District | GB 2 | | 76-79 |
| | Jackfish-Middleton Area, Thunder Bay District | | | |
| | Geology and scenery | GB 2 | | 74-76 |
| | Geology of the area | | | |
| | Reports & maps 2107 & 2112 on, 1962 | GR 50 | | |
| | Gold | GR 50 | | 34 |
| | Iron/pyrite | GR 50 | | 36 |
| | Lead/zinc/silver/copper | GR 50 | | 35 |
| | Molybdenum | GR 50 | | 35-36 |
| | Jackfish-Middleton Occurrences | | | |
| | Township 80, Thunder Bay District | | | |
| | Mining property, report on | MRC 11 | | 411 |
| | Little Pic Mine | | | |
| | See Tomcarr Prospect | | | |
| | Little Pic River | | | |
| | Killala Lake area, Thunder Bay District | GR 50 | | 22, 26, 36 |
| | MacKellar Bay Mines Prospect | | | |
| | Township 80, Thunder Bay District | | | |
| | Mining property, report on | MRC 12 | | 304-305 |
| | McKellar Harbour | | | |
| | Township 80, Thunder Bay District | GR 50 | | 3-30 |
| | Nepheline Syenite | | | |
| | Township 80, Thunder Bay District | GR 50 | | 27 |

# ODM GENERAL INDEX SEARCH

Words searched:

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 8 | Ollman Prospect | | | |
| | Township 80, Thunder Bay District | | | |
| | Mining property, report on | MRC 12 | | 305 |
| | Syenite | | | |
| | Township 80, Thunder Bay District | GR 50 | | 25 |
| | Jackfish-Middleton area, Thunder Bay District | GR 50 | | 22-23, 24-26 |

GDIF FORM NO. 8

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| | | REGIONAL GEOLOGICAL COMPILATION MAPS | | |
| Ayres, L. D., Lumbers, S. B., Milne, V. G., Robeson, D. W. | 1971 | Ontario Geological Map, West Central Sheet. | ODMNA Map 2199 | 1 inch to 16 miles |
| Carter, M. W., McIlwaine, W. H., Wisbey, P. A. | 1973 | Nipigon-Schreiber, Thunder Bay District, Ontario, Geological Compilation Series. Related maps 2137, P-357, P-358, P-360. | ODM Map 2232 | 1 inch to 4 miles |
| | | GEOLOGICAL MAPS AND REPORTS | | |
| Bell, R. | 1872 | Report on the Country North of Lake Superior, between the Nipigon and Michipicoten Rivers, Ontario | GSC, Report of Progress 1870-1871, Pt. VIII | |
| Bell, R. | 1872 | Report on the Country betwen Lake Superior and the Albany River, Ontario. | GSC, Report of Progress 1871-1872, Pt. III | |
| Currie, K. L. | 1980 | A Contribution to the Petrology of the Coldwell Alkaline Complex, Northern Ontario. | GSC Bulletin 287 | |
| GSC | 1935 | Lake Nipigon Sheet, Ontario. | GSC Map 308A | 1 inch to 8 miles |
| Kerr, H. L. | 1910 | Nepheline Syenites of Port Coldwell, Thunder Bay District, Ontario. Accompanied by map 19B. | OBM Annual Report Vol. 19, Pt. 1 | pp. 194-232 |
| Logan, W. E. | 1847 | On the Geology and Economic Minerals of the North Shore of Lake Superior with Remarks on Copper Ores and their Treatment. | GSC, Report of Progress 1846-1847 | |

GDIF FORM NO. 9

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| Mason, J. K. | 1981 | Deadhorse Creek Area, NTS 42 D 15/SE, Thunder Bay District, Ontario, Thunder Bay Data Series. | OGS Map P-2132 | |
| Mitchell, R. H., Platt, R. G. | 1982 | Coldwell Alkaline Complex; in Field Trip Guidebook, Trip 4, Proterozoic Geology of the Northern Lake Superior Area, J. M. Franklin (Editor). | GAC - MAC Field Trip 4 | pp. 42-60 |
| Parks, W. A. | 1902 | The Country East of Nipigon Lake and River. | GSC, Annual Report Vol. XIV, Pt. A | pp. 105-109 |
| Puskas, F. P. | 1967 | Geology of the Port Coldwell Area, District of Thunder Bay, Ontario. Accompanied by map P-114 a, and b (revised). | ODM - OFR 5014 | 2 inches to 1 mile |
| Sage, R. P. | 1982 | Mineralization in Diatreme Structures, North of Lake Superior, NTS 42 D/N, Ontario. | OGS Study 27 | |
| Tanton, T. L. | 1921 | Nipigon-Schreiber District, Ontario. | GSC, Summary Report 1920, Pt. D | pp. 2-7 |
| Walker, J. W. R. | 1956 | Preliminary Report on the Geology of the Jackfish-Middleton Area, NTS 42 D/N, 42 E/S, Thunder Bay District, Ontario. | ODM Geological Circular 4 (Study 4) | |
| Walker, J. W. R. | 1967 | Geology of the Jackfish-Middleton Area, District of Thunder Bay, Ontario. Accompanied by map 2107 and map 2112. | ODM GR 50 | 2 inches to 1 mile |
| Wilson, W. J., Collins, W. H. | 1909 | Geological Reconnaissance of a Portion of Algoma and Thunder Bay Districts, Ontario and Report on the Region Lying North of Lake Superior between the Pic and Nipigon Rivers, Ontario. Accompanied by map 964. | GSC, Separate Report 980, 1081 | |

GDIF FORM NO.9

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| | | GEOPHYSICAL MAPS AND REPORTS | | |
| ODM - GSC | 1963 | Aeromagnetic Map, Ashburton Bay (42 D 15). | GSC 2147G | 1 inch to 1 mile |
| ODM - GSC | 1965 | Aeromagnetic Map, Schreiber (42 D). | GSC 7088G | 1 inch to 4 miles |
| ODM - GSC | 1970 | Albany River, Algoma, Cochrane, Kenora, Sudbury, Thunder Bay and Timiskaming Districts, Ontario, Aeromagnetic Compilation Map. | ODM Map P-578 | 1 inch to 16 miles |
| Satterly, J. | 1970 | Aeromagnetic Maps of Carbonate-Alkalic Complexes in Ontario (revised). Compilation 1968, revised 1970. | ODMNA Map P-452 | |
| | | GEOCHEMICAL REPORTS AND MAPS | | |
| GSC - OGS | 1978 | Field Operations and Analytical and Statistical Data of Regional Lake Sediment and Water Geochemistry, Schreiber and Part of Longlac, NTS 42 D, 42 E, Thunder Bay District, Ontario. Accompanied by maps P-1805 to P-1818. | OGS - OFR 5248 | |
| GSC | 1981 | National Geochemical Reconnaissance Coloured Compilation Map Series, Lake Superior, Ontario. | GSC - OFR 746 | 1:2,000,000 |
| | | MINERAL POTENTIAL MAPS | | |
| Springer, J. S. | 1978 | Ontario Mineral Potential, Schreiber Sheet, NTS 42 D, Thunder Bay District, Ontario. | OGS Map P-1520 | 1:250,000 |
| Springer, J. S., et al | 1982 | Mineral Potential Map of Ontario, West Central Sheet, NTS 41/NW, 42/W, 43/SW, 52, 53/SE. | OGS - OFR 5326 | |

# SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| | | SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING | | |
| Gartner, J. F., McQuay, D. F. | 1979 | Northern Ontario Engineering Geology Terrain Study 60. Heron Bay Area, NTS 42 D/NE, Thunder Bay District, Ontario. Accompanied by map 5093. | NOEGTS 60 | 1:100,000 |
| Surveys and Mapping Branch Department of Energy, Mines and Resources | | Topographic Map Coldwell, Thunder Bay District (42 D 15). | | 1:50,000 |
| Zoltai, S. C. | 1965 | Thunder Bay Surficial Geology, NTS 42 D, E, L, 52 A, H, I, Ontario. | ODLF Map S2-65 | 1 inch to 8 miles |
| Zoltai, S. C. | 1967 | Glacial Features of the North-Central Lake Superior Region, Ontario. | Canadian Journal of Earth Sciences Vol. 4, No. 2 | pp. 515-528 |
| | | COLDWELL THESES | | |
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| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| | | | | |

GDIF FORM NO.9

# NOTES AND ADDENDA

GDIF FORM NO.10

48° 52' 30"

Creek

McKellar L.

Cr

11

34

12

23, 2

Golabar L.

2

15, 2

15

McKellar

1, 15

1

2

22, 2

Cr

15

32

15, 25

15

25

McKellar

Constance

6

Deadhorse

25

7

Ripple

39

16

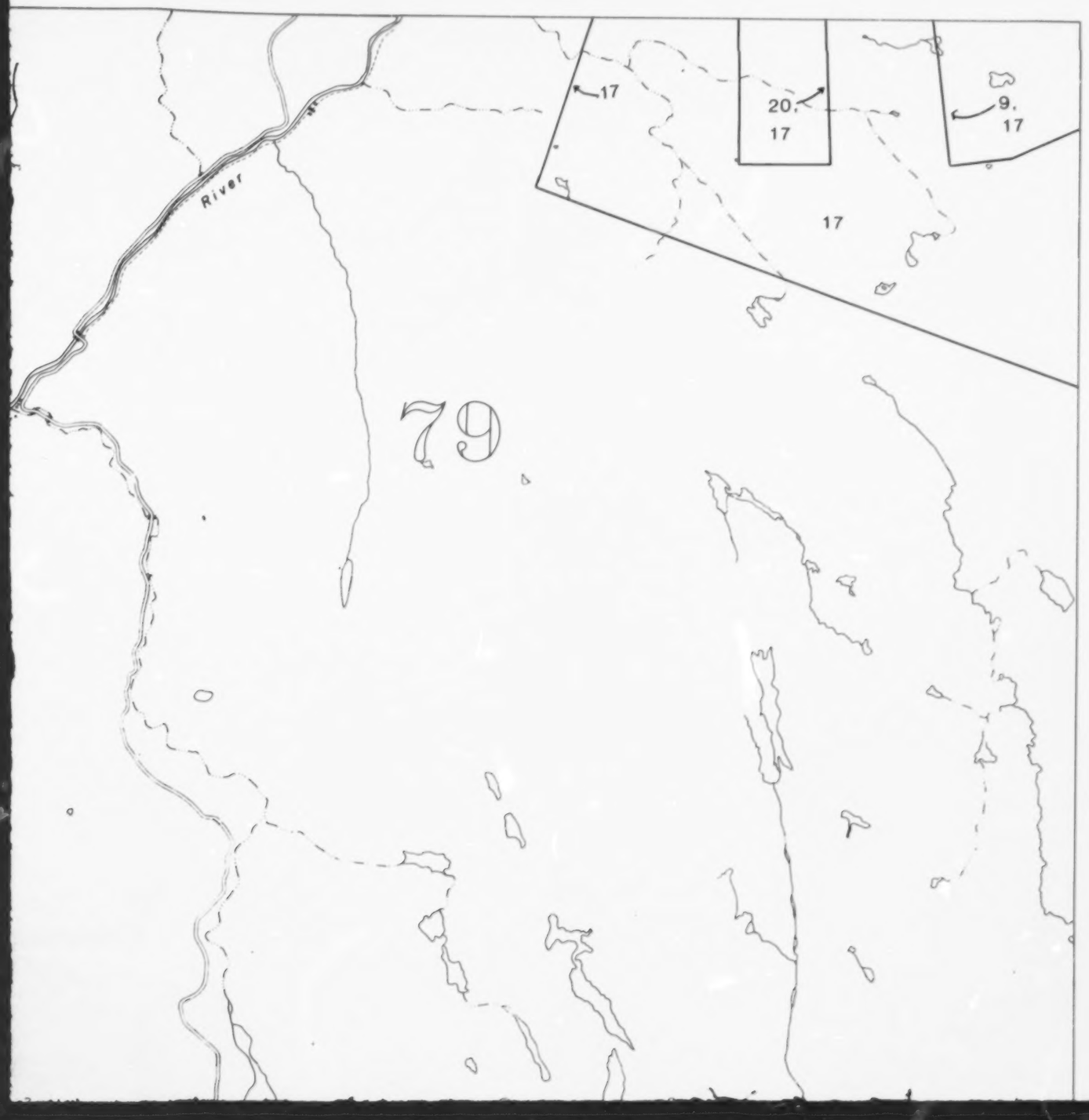
16, 25

10

River

Pic

Little

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Ontario

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

**PROPERTY LOCATION MAP**

**GEOLOGICAL DATA INVENTORY FOLIO 206**

( Map 1 of 3 )

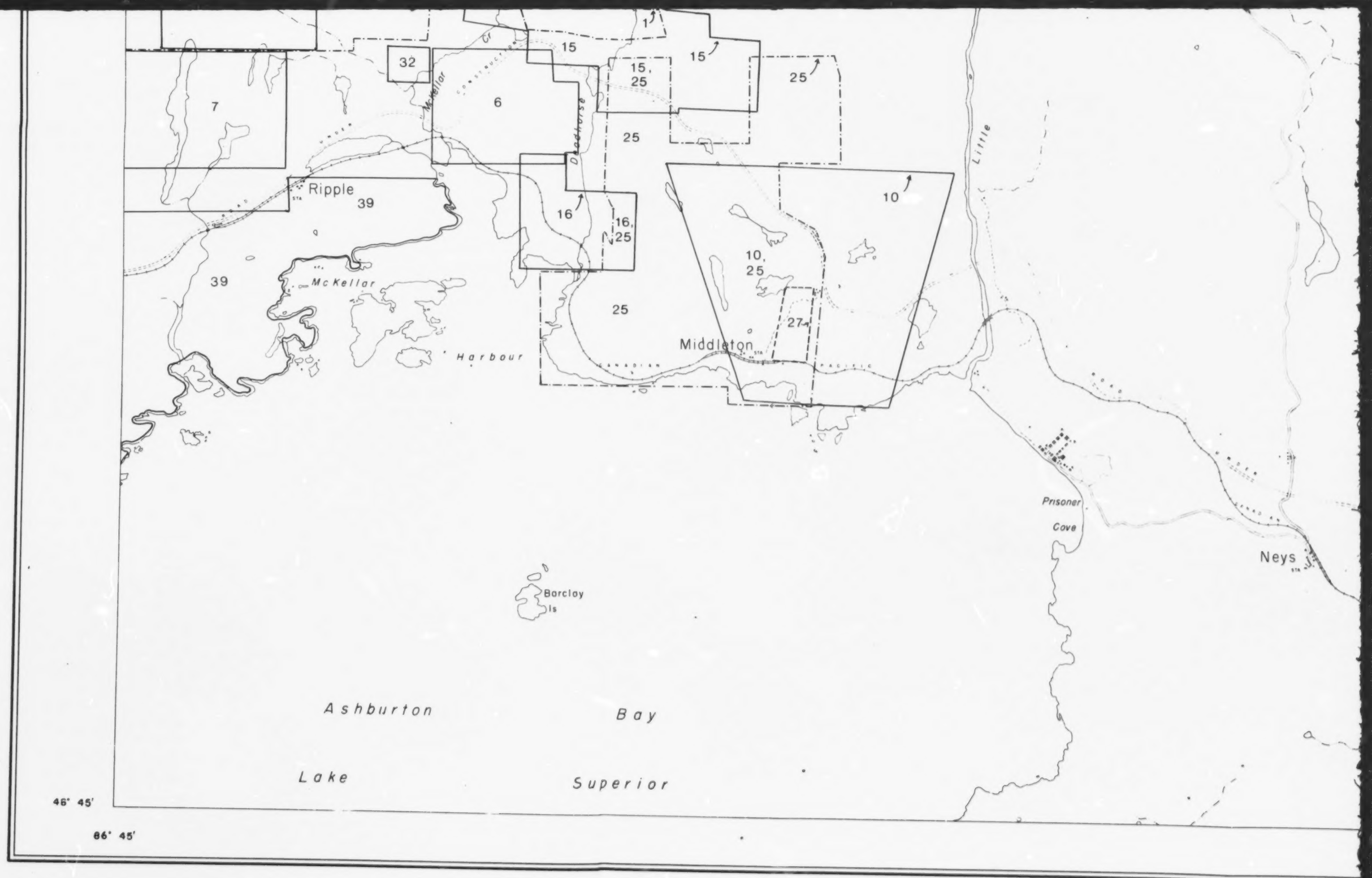
# DEADHORSE CREEK AREA

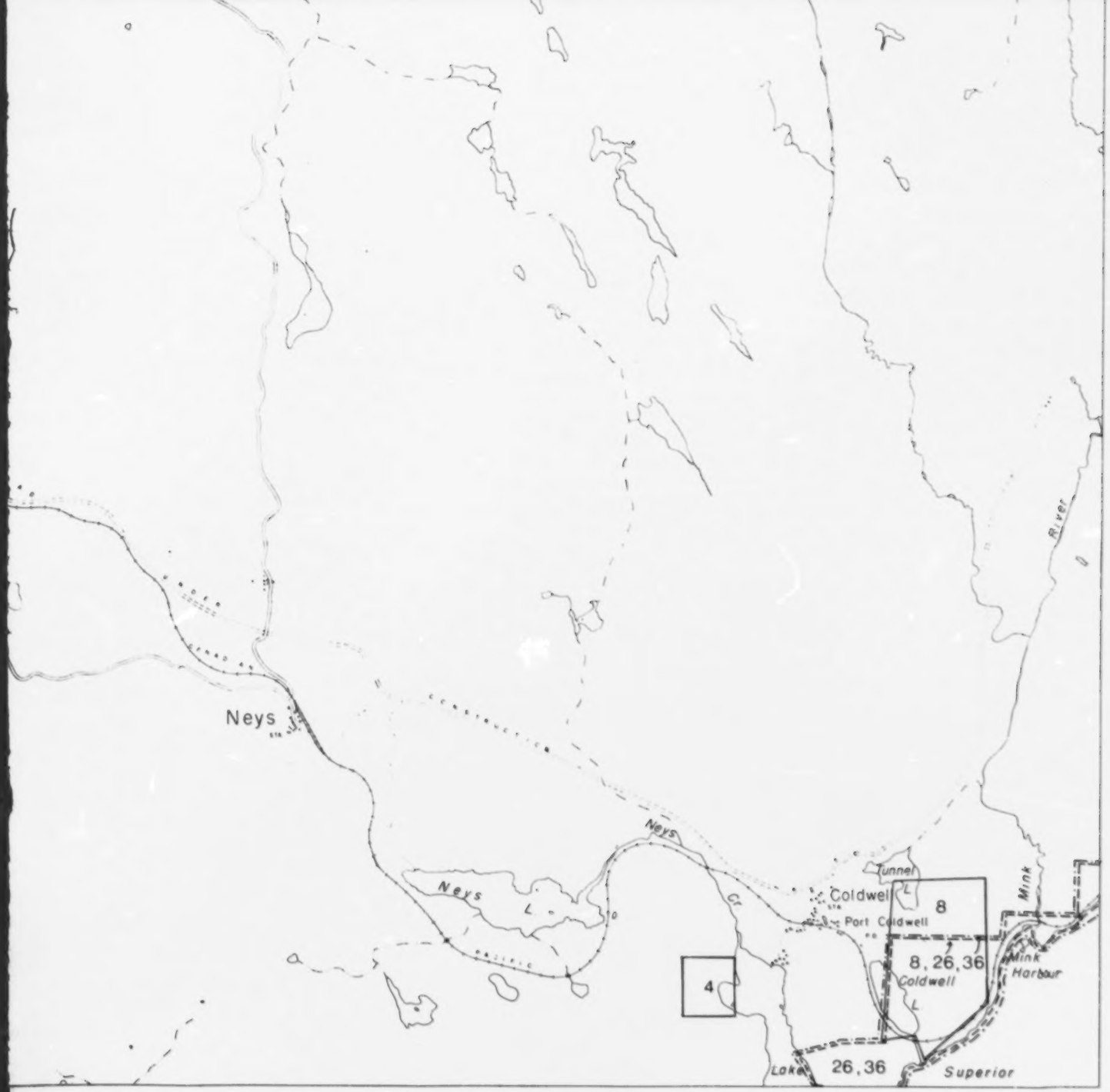
DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre


32
7
6
McKellar
Obedtorse
15
15,
25
1
15
25
25
Ripple
39
16
16,
25
10
10,
25
39
McKellar
Harbour
25
27
Middleton
Little
Prisoner
Cove
Neys
Barclay
Is
Ashburton
Bay
Lake
Superior
46° 45'
86° 45'




48° 45'

86° 30'

## EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration.

48° 52' 30"

Creek

McKellar L.

River

Pic

Little

Colabaro L.

35
28
28, 35
40
13
21, 38
18, 21, 38
33, 18
18
14
41, 33
41
18
3
McKellar
Deadhorse
Ripple
24
31, 37
31
37
29

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ONTARIO GEOLOGICAL SURVEY

**PROPERTY LOCATION MAP**

**GEOLOGICAL DATA INVENTORY FOLIO 206**

( Map **2** of **3** )

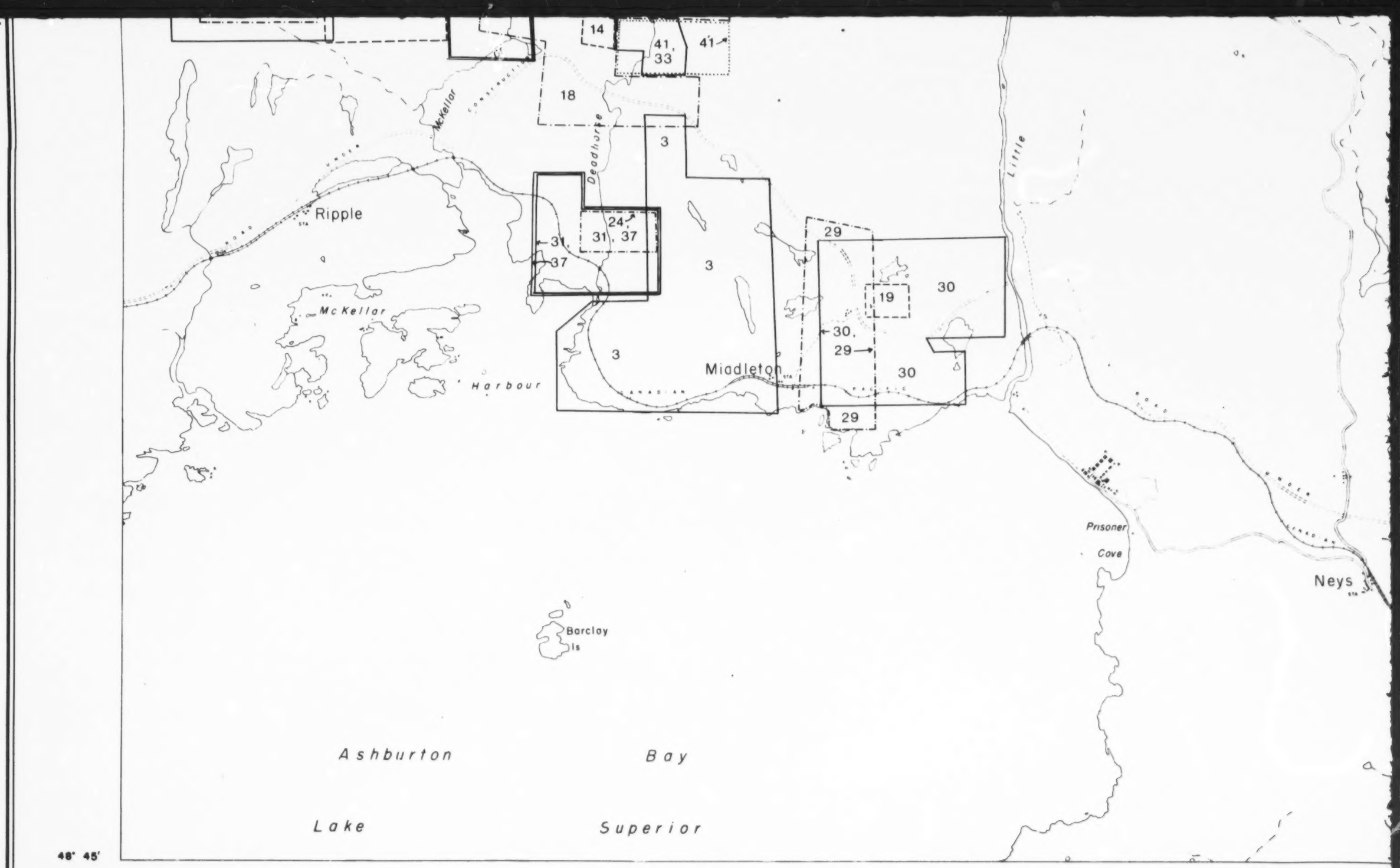
# DEADHORSE CREEK AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre


14
41, 33
41
18
3
McKellar
Deadhorse
Little
Ripple
24, 31, 37
31, 37
3
29
30
19
McKellar
30, 29
3
Middleton
30
Harbour
29
Prisoner Cove
Neys
Barclay Is
Ashburton Bay
Lake Superior
48° 45'
86° 45'

## EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

x ④ Small area of exploration.

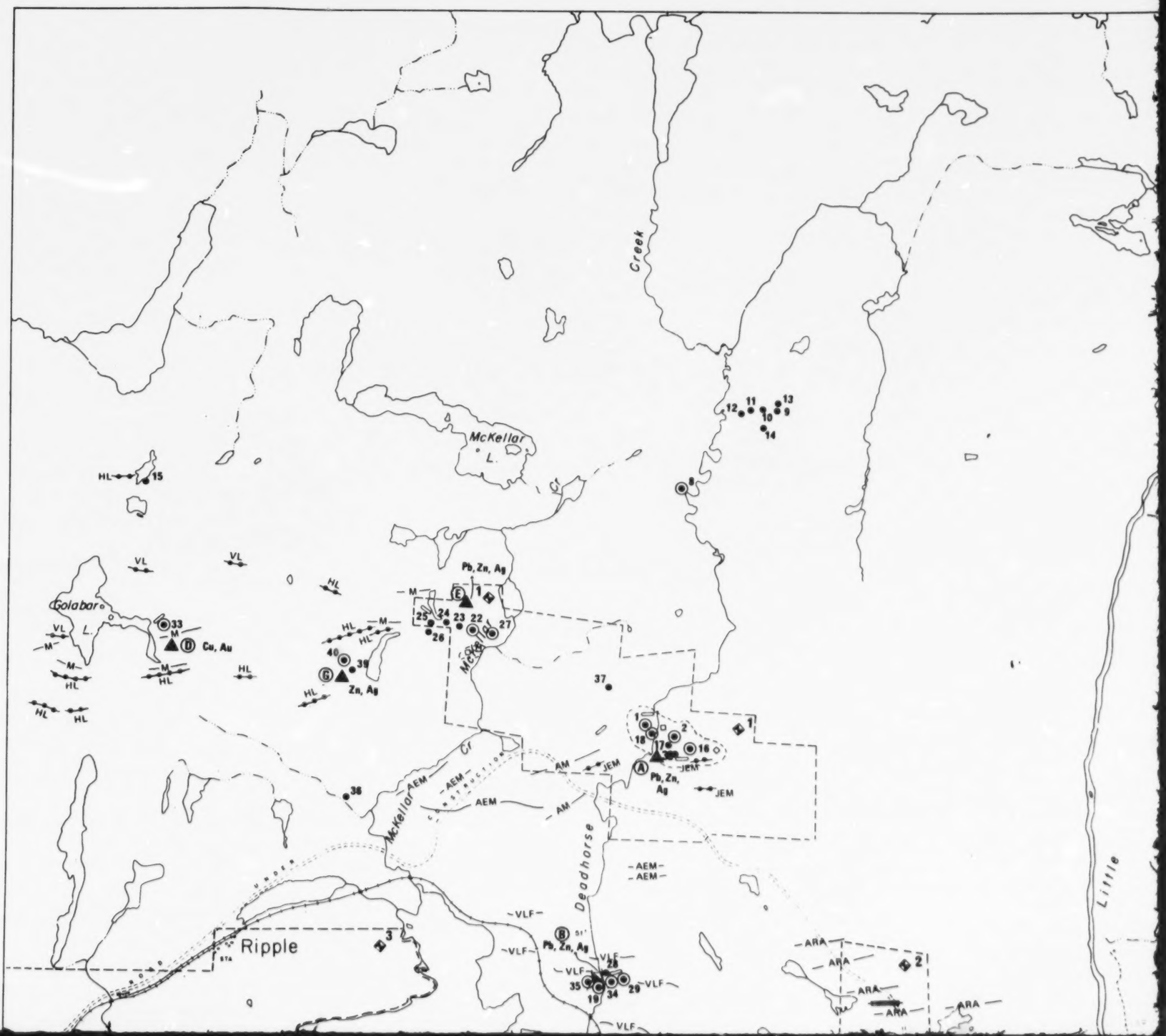
48° 52′ 30″

## GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

## GEOPHYSICAL ANOMALIES

- Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- Airborne Radiometric Anomaly
- Ground Magnetometer Anomaly
- Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- Ground Radiometric Anomaly
- Induced Polarization Anomaly
- Self Potential Anomaly
- Audio-frequency magnetometer anomaly (total intensity)



48° 52' 30'

VL

VL

VL

VL

AM

River

79

Pic

Little

AHA

ARA

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ONTARIO GEOLOGICAL SURVEY

**EXPLORATION DATA MAP**

**GEOLOGICAL DATA INVENTORY FOLIO 206**

( Map 3 of 3 )

# DEADHORSE CREEK

DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1

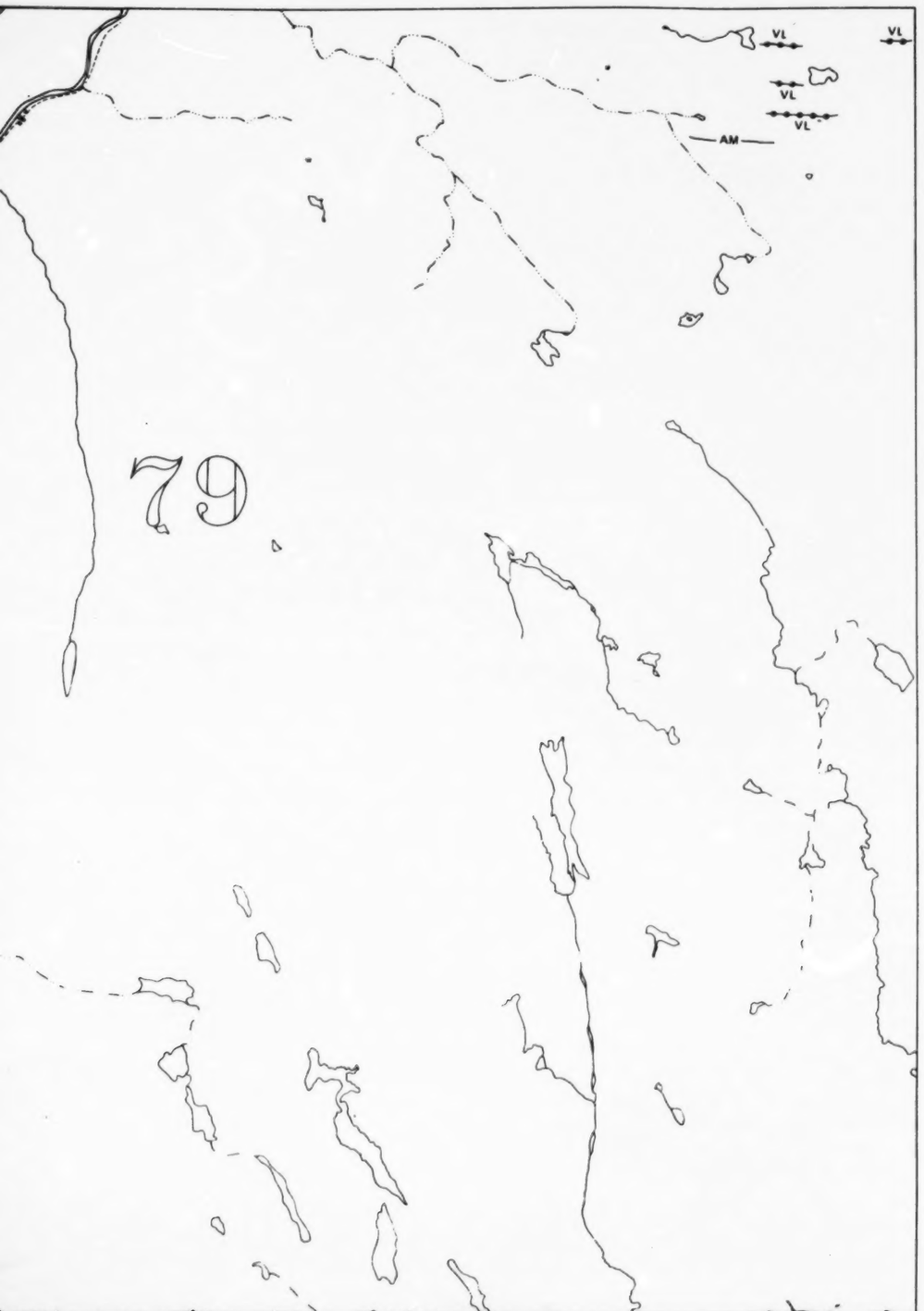
Kilometre 0.5 0 0.5 1 Kilometre

## GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

### MINERAL OCCURRENCES

- ☒ cp A. — Mineral occurrence at surface, with reference letter
- ☒ Au A. 64' — Mineral occurrence with shaft, depth given with reference letter
- ☐ Ag ? A. — Mineral occurrence reported but exact location uncer reference letter
- ☐ cp A. — Mineralized Float with reference letter




48° 52' 30'

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ONTARIO GEOLOGICAL SURVEY

**EXPLORATION DATA MAP**

**GEOLOGICAL DATA INVENTORY FOLIO 206**

( Map 3 of 3 )

# DEADHORSE CREEK AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

## GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

### MINERAL OCCURRENCES

☒ cp A. — Mineral occurrence at surface, with reference letter

☒ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter

☐ Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter

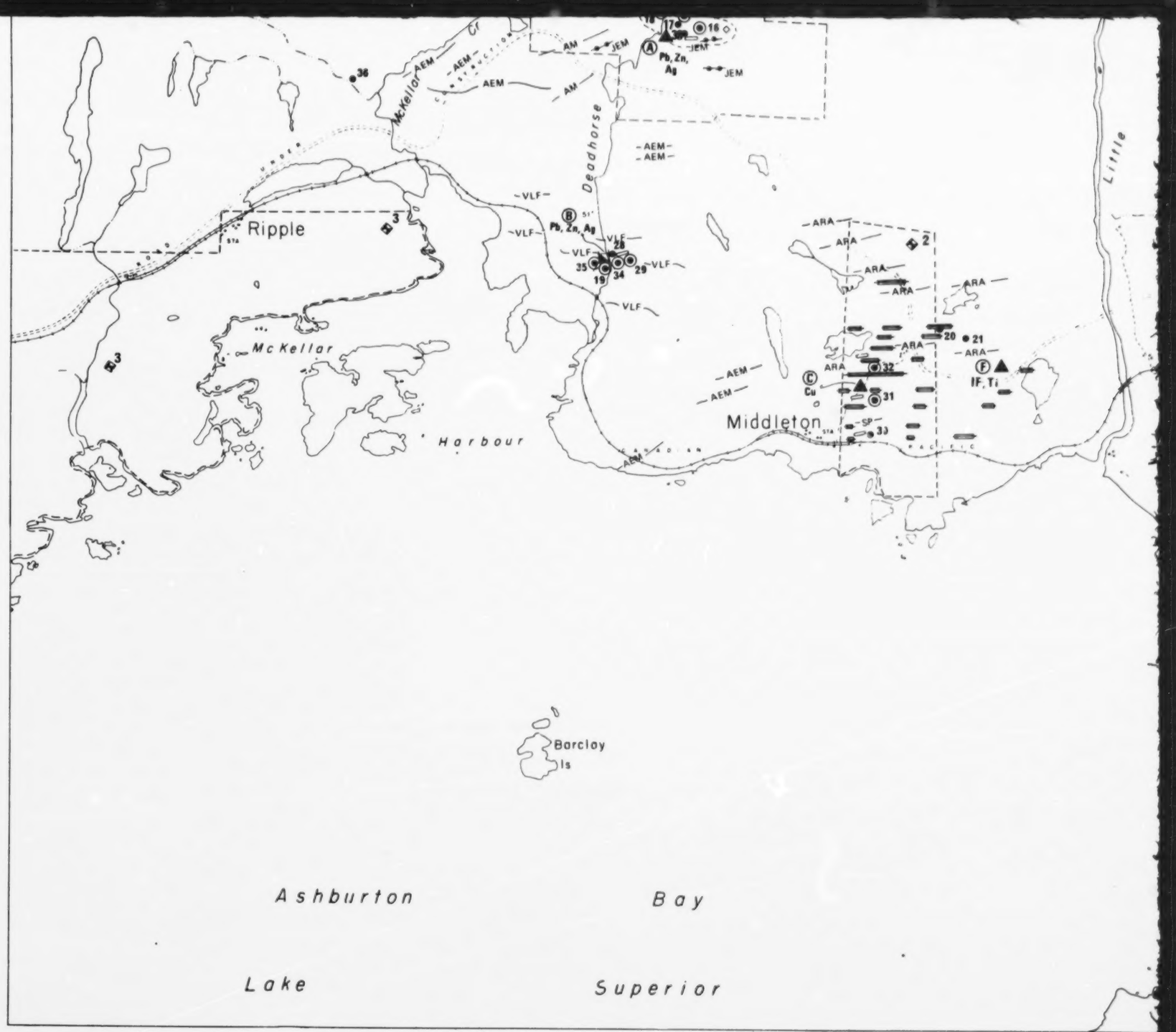
☐ cp A. — Mineralized Float with reference letter

- ☒ ARA — Airborne Radiometric Anomaly
- ☒ M — Ground Magnetometer Anomaly
- ☒ VL — Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- ☐ RA — Ground Radiometric Anomaly
- ☐ IP — Induced Polarization Anomaly
- ☒ SP — Self Potential Anomaly
- ☐ AFMAG — Audio-frequency magnetometer anomaly (total intensity)
- ☐ R — Resistivity Anomaly
- ☐ GR — Gravity Anomaly
- ☒ AEM — Airborne Electromagnetic Anomaly

**MISCELLANEOUS DATA**

- ☒ Trenching, pit
- ☒ Adit
- ☐ Open pit
- ☒ Area of pitting
- ☐ Rock quarry
- ☐ Sand and/or gravel pit
- ☒ Area of pits ; trenches

**NOTE:** Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



**MINERAL OCC**

- Mineral occurrence at surf
- Mineral occurrence with s reference letter
- Mineral occurrence report reference letter
- Mineralized Float with re

**DRILL H**

- Location of single drill ho
- Location of closely spaced number
- Drill hole, exact location u
- Property with undergroun reference number
- Property with drill holes w with reference number
- Reverse Circulation Drill H number

## MINERAL OCCURRENCES

- ☒ cp ▲ A. — Mineral occurrence at surface, with reference letter
- ☒ Au ◪ A. 84' — Mineral occurrence with shaft, depth given with reference letter
- ☐ Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ cp ▬ A. — Mineralized Float with reference letter
- ☐ ▭

## DRILL HOLES

- ☒ ●² — Location of single drill hole, with reference number
- ☒ ◉² — Location of closely spaced group of drill holes, with reference number
- ☐ (?)² — Drill hole, exact location uncertain, with reference number.
- ☐ ◡ — Property with underground drill holes in this general area, with reference number
- ☐ ○² — Property with drill holes which have not been plotted on map, with reference number
- ☐ ⊕² — Reverse Circulation Drill Hole; Churn drilling, with reference number
- ☐ ▭

48° 45'

86° 30'